

**Rare Books & Manuscripts, Edward G. Miner Library**  
**Papers of Russell Plato Schwartz**

Container List

**Box One**

Gait Publications

- Folder 1. Schwartz, R.P., & Vaeth, W. "A method for making graphic records of normal & pathologic gaits," JAMA, Jan. 1928.
- Folder 2. Schwartz, R.P., & Tuttle, H.B. "Advantages of using 16mm Cinekodak super-sensitive panchromatic film in making medical motion pictures," J. Soc. Motion Pict. Engineers, v. 18, 1932; & NYS j. med., Oct. 1932.
- Folder 3. Schwartz, R.P. "The pneumographic method of recording gait," J. bone & joint surg., Oct. 1932.
- Folder 4. Schwartz, R.P., & Tuttle, H.B. "Photography in medicine, surgery and the biologic sciences," J. biol. photogr. assoc., Mar. 1933.
- Folder 5. Schwartz, R.P., Heath, A.L., & Wright, J.N. "Electrobasographic method of recording gait," Arch. surg., Nov. 1933.
- Folder 6. "The electrobasograph" [flyer], 1933?
- Folder 7. Schwartz, R.P., Heath, A.L. et al. "Kinetics of human gait," J. bone & joint surg., Apr. 1934.
- Folder 8. D. Armstrong & Co. Balance in motion, 1935.
- Folder 9. Schwartz, R.P., Heath, A.L., & Misiek, W. "The influence of shoe on gait," J. bone & joint surg., Apr 1935.
- Folder 10. Schwartz, R.P., & Heath, A.L. "The feet in relation to the mechanics of human locomotion," Physiother. rev., Mar-Apr 1936.
- Folder 11. Schwartz, R.P., Trautmann, O., & Heath, A.L. "Gait and muscle function recorded by the electrobasograph," J. bone & joint surg., Apr 1936.
- Folder 12. Schwartz, R.P., & Heath, A.L. "Some factors which influence the balance of the foot in walking," J. bone & joint surg., Apr 1937.
- Folder 13. Schwartz, R.P. "Medical motion pictures in color," J. soc. motion pict. engineers, Nov 1937.
- Folder 14. Schwartz, R.P., Heath, A.L., et al. "Useful methods of examination as related to cause and treatment of painful feet," Physiother. rev., Jan 1939.
- Folder 15. Schwartz, R.P., & Heath, A.L. "Foot functions correlated with anatomical, clinical, and laboratory data," NYS j. med., Mar 1941.
- Folder 16. Schwartz, R.P., & Heath, A.L. "The definition of human locomotion on the basis of measurement," J. bone & joint surg., Jan 1947.
- Folder 17. The Myodynamics Laboratory. The application of functional principles to the improvement of military footwear, Jul 1947.
- Folder 18. Schwartz, R.P., Heath, A.L., & Hudson, F.W. "Instrumentation in relation to electro- myography [Pt. 1]," Arch. phys. med., Jun 1949.
- Folder 19. Schwartz, R.P., Heath, A.L., & Hudson, F.W. "Instrumentation in relation to electro- myography [Pt. 2]," Arch. phys. med., June 1949.

- Folder 20. Schwartz, R.P., & Heath, A.L. "Conservative treatment of functional disorders of the feet in the adolescent and adult," J. bone & joint surg., Jul 1949.
- Folder 21. Schwartz, R.P., & Heath, A.L. "The oscillo- graph recording and quantitative definition of functional disabilities of human loco- motion," Arch. phys. med., Sep 1949.
- Folder 22. Rossi, W. The dramatic story of Guide-Step shoes, 1952.
- Folder 23. Rossi, W. A new concept: functional footwear, 1959.
- Folder 24. Schwartz, R.P., & Heath, A.L. "Preliminary findings from a roentgenographic study of the influence of heel height & empirical shank curvature on osteo-articular relationships in the normal female foot," J. bone & joint surg., Sep 1959.
- Folder 25. Precision Shoe Co. (Genesco). Number 26 sales training manual, ca. 1960.
- Folder 26. Schwartz, R.P., Heath, A.L., et al. "A quan- titative analysis of recorded variables in the walking pattern of 'normal' adults," J. bone & joint surg., Mar 1964.
- Folder 27. Heath, A.L. "Why most shoes don't fit correctly," Boot & shoe rec., Sep 1965.
- Folder 28. Schwartz, R.P., & Heath, A.L. "Pointed and rounded shoes," J. bone & joint surg., Mar 1966.
- Folder 29. Heath, A.L. "Some basic considerations in shoe (last) sizing systems [excerpts]," Leather & shoes, Aug 1967.
- Folder 30. Schwartz, R.P., Trautmann, O., & Heath, A.L. The new 35mm electrobasograph, ca. 1935.
- Folder 31. Schwartz, R.P. Influence of the extrinsic muscles on the arch of the foot, Post-Graduate Conference, 11/5/36
- Folder 32. Schwartz, R.P. Why record normal walking and deforming limbs? Deaconess Hosp., Buffalo, N.Y., Mar 1937; & NYS Health Assoc., Rochester, N.Y., May 1937.
- Folder 33. Schwartz, R.P. Pronation and the extrinsic muscles of the feet, Geneva Academy of Medicine, Sep 1937.
- Folder 34. Schwartz, R.P. Childrens feet: past & present views, Chemung County Medical Society, Elmira, N.Y., Sep 1941.
- Folder 35. Summary progress on quantitative analysis of human locomotion, 1940/41.
- Folder 36. Schwartz, R.P., Bouman, H.D., & Heath, A.L. A practical precision method of analyzing clinical problems associated with walking, Jun 1943,

## **Box Two**

Reports, manuscripts, lectures

- Folder 1. The Myodynamics Laboratory, 1944.
- Folder 2. D. Armstrong Co. How balance in motion works through the application of nature's laws, 1944.
- Folder 3. Schwartz, R.P. The definition of human locomotion on the basis of measurement with description of oscillographic method, 1946.

- Folder 4. The analysis and(8)interpretations of oscillographic records of foot function, May 1946.
- Folder 5. Schwartz, R.P. Investigation of the new Wehrmacht (1944) last and shoe construction, May 1946.
- Folder 6. Development of pressure sensitive discs: exper- imental data, Apr 1947.
- Folder 7. Schwartz, R.P., Baker, F.F., et al. Standardiza- tion in relation to electromyography, Oct 1947.
- Folder 8. Report of investigation of determine the appli- cability of strain gauges to the recording of foot pressures, 1948?
- Folder 9. The clinical application of a method for the recording and quantitative analysis of human locomotion, International Polio Conference, 1948.
- Folder 10. Proposed program in relation to electromyography, 1948/49.
- Folder 11. Schwartz, R.P., & Heath, A.L. Conservative treatment of functional disorders of the feet in the adolescent and adult, Jun 1948.
- Folder 12. Description of the method of making contourgrams of shoe lasts, 1949?
- Folder 13. Schwartz, R.P., Heath, A.L., & Hudson, F.W. Instrumentation in relation to electromyography [Pts, 1-2], 1949?
- Folder 14. Significant questions and opinions regarding lasts, shoes and relationship to feet, 1949?
- Folder 15. Schwartz, R.P., & Heath, A.L. The oscillographic recording and quantitative definition of functional disabilities of human locomotion, Mar 1949.
- Folder 16. Report on development of a strain gauge type pressure disc, May 1949.
- Folder 17. Summary of data obtained from test gait records made using new type strain gage pressure discs, 1951.
- Folder 18. The application of the last contourgraph to the maintenance of established standards in the design of functional shoe lasts, Nov 1953.
- Folder 19. Report of findings from a study of the feet of public school children, 1955.

**Box Three**

Reports, manuscripts, lectures

- Folder 1. The application of the last contourgraph to the comparisons and analysis of shoe lasts correlated with x-ray studies of the influence of heel height on the functional posture of the foot, Apr 1956.
- Folder 2. [Report on strain gauge pressure disc X-2, pressure sensing unit SG X4-2, SG X4-4, SG X5-1, SG X5-2], 1956/57.
- Folder 3. The Myodynamics Laboratory summary, Oct 1957.
- Folder 4. Schwartz, R.P., & Heath, A.L. Preliminary findings from a roentgenographic study of the influence of heel height and empirical shank curvature on osteoarticular relationships in the normal female foot, Nov 1958.
- Folder 5. Discussion of functional last development: reply to comments made by Mr. Samuel L. Slosberg, 27 Apr 1960.

- Folder 6. Schwartz, R.P., Heath, A.L., et al. The quantitative measurement and analysis of oscillographic records of foot function, barefoot and as related to footwear, 1962?
- Folder 7. [Summary of progress], Post Graduate Podiatry Science Conclave (12th : Kiamesha Lake, N.Y., Oct 1963.
- Folder 8. Heath, A.L. A time-force analysis of "normal" and abnormal gait patterns as recorded by the oscillographic method, 1964.
- Folder 9. Schwartz, R.P., Heath, A.L. et al. A quantitative analysis of recorded variables in the walking pattern of "normal" adults, 1964.
- Folder 10. Some considerations for a discussion of children's shoe sizing, Aug 1966.
- Folder 11. Proposal for the quantitative definition of comfort factors in footwear (Celanese comfort study), Jan 1967.
- Folder 12. Heath, A.L. Some quantitative definitions of force patterns in human locomotion, Midwest Podiatry Conference, Sect. I, Mar 1967.
- Folder 13. Heath, A.L. Basic faults in shoe sizing systems, Midwest Podiatry Conference, Sect. II, Mar 1967.
- Folder 14. Heath, A.L. Some considerations in shoe (last) sizing systems, Footwear Management Conference, Atlantic City, May 1967.
- Folder 15. A proposal to establish a foot and footwear research institute, Aug 1965.
- Folder 16. A proposal to establish a foot and footwear research center, Oct 1965.
- Folder 17. Report on National Shoe Fair, Oct 9-12, 1965 [Meetings re: foot and footwear research institute].
- Folder 18. Background information pertinent to a meeting called by Dr. Donald G. Anderson to consider a proposal for a foot and footwear research center, 2 Feb 1966.
- Folder 19. Points to ponder: revitalization of National Foot Health Council, 6-7 Jul 1966.

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##### Reports/Meetings with Manufacturers

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- Folder 5. Office of the Quartermaster General - Reports/Meetings, 1946-48.
- Folder 6. U.S. Rubber - Reports/Meetings, Nov 1946-Jul 1948.
- Folder 7. U.S. Rubber - Reports/Meetings Foot temperatures in canvas vs. leather footwear, 1946?
- Folder 8. U.S. Rubber - Reports/Meetings Moisture concentration in sock and shoe, Jul 1946.
- Folder 9. U.S. Rubber - Reports/Meetings The reduction of moisture in canvas footwear, Jun 1947.

- Folder 10. U.S. Rubber - Reports/Meetings The reduction of moisture in canvas footwear; The application of functional principles to canvas-rubber footwear, Jan 1948.
- Folder 11. U.S. Rubber - Reports/Meetings The analysis of data derived from an investigation of methods for improving the design and construction of Ked footwear, Dec 1948.
- Folder 12. Florsheim Co. - Reports/Meetings, Aug 1948- May 1949.
- Folder 13. Vaisey-Bristol Co. - Reports/Meetings Proposed investigation to determine the relative advantages of soft vs. hard-soled infant shoes, Oct 1951.

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Reports/Meetings with Manufacturers

- Folder 1. Guide-Step Overseas Program - Reports/Meetings 1954-56.
- Folder 2. Guide-Step Overseas Program - Reports/Meetings Overseas Licensees, Discussions Aug-Sep 1959.
- Folder 3. Guide-Step Overseas Program - Reports.Meetings 1959-61.
- Folder 4. Jarman Division, Genesco - Reports/Meetings 1962.
- Folder 5. Dupont - Reports/Meetings Proposed investigation, agreements, etc.
- Folder 6. Dupont - Reports/Meetings Report no. 1, Mar 1966.
- Folder 7. Dupont - Reports/Meetings Report no. 2, Apr 1966.
- Folder 8. Dupont - Reports/Meetings Report no. 3, May 1966.
- Folder 9. Dupont - Reports/Meetings Report no. 4, Jun 1966.
- Folder 10. Dupont - Reports/Meetings Report no. 5, Sep 1966.
- Folder 11. Dupont - Reports/Meetings Nurses' oxfords (clinic): preliminary data from fittings of 101 subjects, May 1967.
- Folder 12. Dupont - Reports/Meetings Nurses' service shoe wear test to determine the effect of varius materials and construction on consumer preference, Oct 1967.
- Folder 13. U.S. Shoe Corp. - Reports/Meetings Wear tests conducted to determine the effect of various upper constructions on consumer preference in 13/8" heel pumps, May-Oct 1968.
- Folder 14. SCOA Industries - Reports/Meetings Report no. 1, Mar 1971.
- Folder 15. SCOA Industries - Reports/Meetings Reports no. 2-3, May, Apr 1971.
- Folder 16. SCOA Industries - Reports/Meetings Report no. 4, Aug 1971.
- Folder 17. SCOA Industries - Reports/Meetings Reports no. 5-7, Oct-Nov 1971.

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Final Report: Design of instrumentation for measurement of the feet of children and adolescents

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- Folder 2. U.S.D.A. - Reports/Meetings Final Report, 301 subassembly (drawings)
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- Folder 10. U.S.D.A. - Reports/Meetings Final Report, 309-10 subassemblies (drawings)
- Folder 11. U.S.D.A. - Reports/Meetings Final Report, 311-12 subassemblies (drawings)
- Folder 12. U.S.D.A. - Reports/Meetings Final Report - text, Oct 1966.
- Folder 13. U.S.D.A. - Reports/Meetings Final Report - bibliography
- Folder 14. U.S.D.A. - Reports/Meetings Provisions & plan of work, May 1964.
- Folder 15. U.S.D.A. - Reports/Meetings Interim reports no. 1-7, Sep 1964-Mar 1966.

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- Folder 4. Federal Trade Commission Reply to tentative list of questioned claims submitted by the Federal Trade Commission in re D.I.C. 4019, Jul 1953.
- Folder 5. Patents, 1937-55.
- Folder 6. Licensing/Royalties - royalty summaries.
- Folder 7. Licensing/Royalties - Rossi agreement.
- Folder 8. Licensing/Royalties - Aaltosen (Finland)
- Folder 9. Licensing/Royalties - Alfa (Norway)
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- Folder 9. Correspondence - Midwest Podiatry Conference (Chicago : 1967), 1966-67.
- Folder 10. Correspondence - Our Lady of Gethsemani Monastery, 1951-56.
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- Folder 18. Equipment - Pressure units Experimental data sheets for variable contacts, 1937-40.
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- Folder 13. Equipment - Orthopedic measurement unit.
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- Folder 2. Cerebral palsy - Schwartz lectures.
- Folder 3. Cerebral palsy - Hartwell Clinic articles.
- Folder 4. Cerebral palsy - Hartwell Clinic The relationship of the Edith Hartwell clinic to established resources for the rehabilitation of patients in Rochester, New York, 1948?

- Folder 5. Cerebral palsy - Hartwell Clinic National Foundation for Infantile Paralysis grant application, 1949-51.
- Folder 6. Cerebral palsy - Hartwell Clinic Fulbright Award, 1952.
- Folder 7. Cerebral palsy - Hartwell Clinic application, 1952-53.
- Folder 8. Cerebral palsy - Hartwell Clinic Application for grant-in-aid to the Association for the Aid of Crippled Children, 1953.
- Folder 9. Cerebral palsy - Hartwell Clinic 1956.
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- Folder 11. Cerebral palsy - Hartwell Clinic Relaxation chair (drawings).
- Folder 12. Poliomyelitis - Schwartz reprints.
- Folder 13. Poliomyelitis - Schwartz lectures.
- Folder 14. Poliomyelitis Schwartz, R.P., & Bouman, H.D. Spasticity in muscles in anterior poliomyelitis, 1942.
- Folder 15. Poliomyelitis - Progress report for six months period, 7/1/41-1/1/42, National Foundation for Infantile Paralysis.
- Folder 16. Poliomyelitis- Progress report for 7/1/41- 7/1/42 to the National Foundation for Infantile Paralysis.
- Folder 17. Poliomyelitis - Progress report for 7/1/42- 7/1/43 to the National Foundation for Infantile Paralysis.
- Folder 18. Poliomyelitis - Final report on grant no. CTAE 46E to the National Foundation for Infantile Paralysis, 7/1/46-6/30/51.
- Folder 19. Poliomyelitis - Schwartz, R.P. The relationship of infantile paralysis epidemics to community resources in the treatment of patients, circa 1950.

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- 57-53b. Chart - influence of rate of walking on duration of normal weight bearing, 4/22/33.
- 57-56a. Normal electrobasogram with explanatory legends, 1933.
- 57-59. X-rays of E.A. Clements in increasing heel heights, 10/1/33.
- 57-60. Balance for weight distribution, 1-/6/33.
- 57-61. Plan of Armstrong platform, 1933.
- 57-65a. Muscle function double exposures, May 1934.
- 57-66. Muscle function and gait correlation chart (combined gait & muscle function records), 11/9/34.

- 57-67. Normal 35mm electrobasogram, 6/4/34.
- 57-68. Drawing of muscle function contact, 12/14/34.
- 57-71. Normal 35mm electrobasogram - chart format, 6/1/34.
- 57-72. Gait contacts on skeletal foot showing location with respect to osseous tripod, 12/10/34.
- 57-73. Four views of Armstrong platform, 1934.
- 57-76. A.M.A. exhibit, Cleveland, 12-16 Jun 1934.
- 57-77. Miniature electrobasograph model, 3/2/35.
- 57-79. Last balance mechanism, 3/4 view, 5/31/35.
- 57-80. Last balance mechanism, front view, double exposures, 5/31/35.
- 57-81. Electrobasograph, 5/16/35.
- 57-82. Last bal-o-graph, original recorder, Nov 1935.
- 57-83. Armstrong platform, cameras and operator, 1935.
- 57-85. Scherb negatives (treadmill, contacts, recorder), 1935.
- 57-86. Armstrong trademark for balanced shoes, 6/11/35.
- 57-87. Treadmill, original model, 1935?
- 57-90. Articulated foot showing line of weight bearing thru tibia, astragalus, & os calcis, posterior view, Jul 1935.
- 57-91. Os calcis and astragalus - relationship in normal, varus & valgus positions - superior & posterior views, 1935.
- 57-92. Os calcis & astragalus in normal, extreme varus & extreme valgus positions - posterior view, Jul 1935.
- 57-93. Os calcis & astragalus, superior view, showing lateral deviation of center lines in normal, extreme varus & extreme valgus, Jul 1935.
- 57-95. Articulated feet - abnormal, posterior, showing fracture of os calcis, July 1935.
- 57-97. Drawing of set-up for making gait record, 1935.
- 57-100. Illustrations from "Balance in Motion."
- 57-102. Heel measuring stick, 4/12/36.
- 57-105. Gait robot, 12/3/35.
- 57-106. Portraits of: Sir Robert Jones George Hoyt Whipple Franklin Snyder
- 57-107. Pronation as evident in distortion of shoe, 9/12/38.
- 57-108. Charts showing relationship of gait laboratory to shoe industry.
- 57-112. Last drilling jig, 2/3/36.
- 57-113. Last scribing fixture, 2/3/36.
- 57-114. Last balograph recorder, 2/5/36.
- 57-117. Contacts on balanced & regular shoe, 1936?

## **Box Sixteen**

### NEGATIVE #

- 57-118a. Nurses' gait comparisons, 1936.
- 57-118b. Nurses' gait comparisons, 1936.
- 57-118c. Nurses' gait comparisons, averages & composite, 1936.
- 57-118d. Nurses' gait comparisons - charts of measurement, 1936.
- 57-120. Last contourgraph, 2nd construction, 4/24/36.

- 57-121. Foot dissection showing insertions of muscles controlling foot function, Feb 1936.
- 57-122. Still frames selected from high speed film to demonstrate foot position at reception, mid- point & delivery of weight, 5/6/36.
- 57-124a. Bookplate of Sir Robert Jones.
- 57-125. 70mm electrobasograph with telephone lights, 1932.
- 57-129. Galvanometer recorder, Nov 1931.
- 57-131. Pneumographic gait records - right equinus, left modified normal, 4/25/32.
- 57-132. Water-cooled lamp, 1932.
- 57-133. Treadmill, detail of motor and speed reduction unit.
- 57-135. Pneumographic recorder, electric model, 1932.
- 57-136. Pneumographic recorder, detail of motor and reduction unit mounting, 1932.
- 57-137. Pneumographic recorder, end showing controls & paper travel, 1932.
- 57-138. Pneumographic recorder tennis shoe with air chamber placement, 1932.
- 57-139. Treadmill with pneumographic recorder, 1932.
- 57-140. Treadmill - detail of power transmission to sliding platform, 1932.
- 57-141. Pneumographic recorder, detail of tambour, timer and pens, 1932.
- 57-142. Pneumographic recorder, detail of motor controls, 1932.
- 57-143. Detail of driving and take-up rollers, 1932.
- 57-151. Marey's gait recorder.
- 57-154. Exhibit - Am. Orth. Assoc. convention, Cleveland, Jan 1937.
- 57-157. Scales for pronatograph, 4/10/37.
- 57-158. Portrait of R.P. Schwartz, 4/23/37.
- 57-161. X-ray technique for showing pronation, 4/26/37.
- 57-162. X-ray tracings showing comparisons of valgus & varus - bare, sneaks & boots, 10/12/37.
- 57-188. Nurses' gait comparisons, 12/15/37.
- 57-190. Conventional contours - lasts 190, 192, 55, 12/10/37.
- 57-191. Nurses' gait comparisons - chart showing averages of both feet combined, 4/1/38.
- 57-196. Lucite last, 6/24/38.
- 57-197. Os calcis: normal angle made by plantar surface with floor, 8/18/37.
- 57-198. Diagrams of oscillograph, 8/12/38.
- 57-202. Avg. pressure charts based on planimeter measurements divided into six modal groups, 1940.
- 57-206. Composite pressure curves based on modal groups, 1941.
- 57-208. Input unit from action current set-up, May 1942.
- 57-209. Action current amplifiers, Jun 1943.
- 57-210. Amplifier unit from action current set-up, May 1942.
- 57-211. Calibration unit from action current set-up, May 1942.
- 57-230. Contourgraph, Apr 1947 & Mar 1955.
- 57-231. Oscillograph, interior, 1947.
- 57-232. Oscillograph & subject.
- 57-233. Composite photo: oscillographic record, operator, and J.B. Champney, 4/22/47.

- 57-243. Combined photo: Application of contacts Operator, oscillograph & J.B. Champney Interior of oscillograph.
- 57-247. Resistance thermometer.
- 57-248. X-rays of foot in conv. sneak, conv. & func. PAC, 1/18/46.
- 57-249. X-rays of foot in military boot (PAC), Apr 1946.
- 57-254. Normal oscillographic records with legends.
- 57-255. Oscillographic records - normal, & simulated limps.
- 57-261. Chart - method of calculating instantaneous pressures.
- 57-260. Oscillograph & operator.
- 57-267. Pronation, supination - barefoot & in shoes, 6/19/48.
- 57-268. Schematic of circuit type 175A, cathode ray oscillograph, 12/23/47.
- 57-285. F-Wing (drawing), 12/20/46.
- 57-290. Last cross section, WAC last N.W. (5047), 1947?
- 57-291. Functional shoes, EJ S148G, S288 - 10/10/45.
- 57-315. Electrobasograph.
- 57-341. Carlet's gait recording equipment.

## **Box Seventeen**

### NEGATIVE #

- 1. 12-point oscillograph, interior, 3/4/40.
- 2. 12-point oscillograph, exterior, 3/4/40.
- 3. 12-point oscillograph, front, 3/4/40.
- 4. 12-point oscillograph with recording beams, 3/4/40.
- 5. Dynamic pressure calibrator, 3/7/40.
- 6. Pronatograph - valgus, 3/7/40.
- 7. Pronatograph - valgus, 3/70/40.
- 8. 16mm duplicator, 3/70/40.
- 9. Foot pressure comparison chart, barefoot vs. conventional, 3/10/40.
- 10. Contourgraph comparisons, 12/9/37.
- 11. Heel-forefoot, valgus-varus (Champney), 5/26/40.
- 12. Action current apparatus, 1941?
- 13. Oscillograph, front view, 4/16/41.
- 14. Integrator, front view, 4/16/41.
- 15. Integrator, back view, 4/16/41.
- 17. Piezometric discs, assembly detail.
- 18. Calcaneal gait (R.P. Schwartz), 5/28/40.
- 19. Equinus gait (R.P. Schwartz), 5/28/40.
- 20. Quadriceps gait (R.P. Schwartz), 5/28/40.
- 22. Gluteus maximus (R.P. Schwartz), 5/28/40.
- 23. Normal gait (R.P. Schwartz), 5/28/40.
- 24. Foot silhouette & post tib. m.f. record, 4/30/40.
- 25. Set-up of study for force on hip and abductor, Jan 1963.
- 26. Oscillographic recorder, G.E. three element model, 1941?
- 27. Oscillograph, method of operation, 1941?
- 28. Oscillograph, interior, 1941?

29. Oscillograph, exterior, 1941?
30. Integrator, front view, 1941?
31. Oscillograph, method of operating, 8/12/41.
34. Application of contacts, 9/9/41.
35. Dr. Bowman's set-up, front view.
36. Dr. Bowman with set-up.
42. Placement of electrodes on leg (P. Murphy), 1941?
43. View of mirrorscope set-up.
44. Oscillograph with Schwartz & Heath, 8/12/41.
45. Integrator, front view, 1941?
46. Integrator, rear view, 1941?
47. Integrator, top panel, 1941?
48. Integrator, center panels, 1941?
49. Integrator, bottom panels, 1941?
51. Foot and last (Mary Slater), 5/21/42.
52. Placement of electrodes on neck muscles.
53. Placement of electrodes on leg (Joseph Geier).
59. Pronodial - 3 views, 11/15/41.
62. Graph - work done, 4/20/42.
63. Graph - work done, normal vs. ruptured tend. ach., 4/20/42.
64. X-rays, pronation: barefoot, conventional, balanced, 7/23/42.
65. Contourgraph, conv. vs. bal., 1942.
68. Graph - effect of heel height (planimeter measurements), 10/1/42.
69. Three charts & one photograph copied from W. Braune's *Gang des Menschen*, Leipzig, 1895.
70. Graph - heel-forefoot ratio (planimetric measurements), 10/1/42.
71. Graph - effect of footwear on heel-forefoot ratio, 10/1/42.
72. Muscle action electrodes - neck, 1943?
74. Muscle action electrodes - leg, 4/16/43.
75. Graph - calibration of curve of piezometric discs.
77. Shoe 4962S, 3 mos. wear, 5/1/43.
78. Shoe 392X, 3 mos. wear, 5/1/43.
79. Shoe 392X, 11 mos. wear, 5/1/43.
80. Endicott Johnson 4995, 5/10/44.
81. Florsheim Shoe, 5/10/44.
83. Keds, standard midsoles, 1946.
84. Keds, midsoles, 1946.
85. Keds, moisture, 1946.
87. Standard Ked 5099x & standard insert 5168, 1/13/48.
88. Standard Keds 5168, 5099xx, Std. insert, 1/13/48.
89. Sneaker material adhesive, 12/22/47.
90. Func. vs. conv. Keds, 12/31/47.
94. Oscillograph - grid pattern test, 8/14/47.
98. Heel height comparison, Munson 51378, 7/1/48.
99. X-rays of WAC shoes, 5/27/47.
100. Army shoes with plaster casts, 6/2/47.

- 101. Mirrorscope, valgus, Janet Champney, 4/15/40.
- 102. Mirrorscope, valgus, Janet Champney, 4/15/40.
- 119. Swart, Gretchen, pronation, 5/20/39.
- 120. Swart, Gretchen, toe-stand, 5/20/39.
- 121. Swart, Gretchen, pronation (retouched), 5/20/39.
- 122. Swart, Gretchen, toe-stand (retouched), 5/20/39.
- 123-149. Nurses' mirroscope series, Aug 1940.

## **Box Eighteen**

### NEGATIVE #

- 150-241. Nurses' mirroscope series, Aug-Dec. 1940.
- 292. WBC Coon shoe, (J. Champney), 7/13/44.
- 293. Shoe 4962 (J. Champney), 7/13/44.
- 294. Shoe 392X (J. Champney), 7/22/44.
- 295. WB Coon shoe (J. Champney), 7/22/44.
- 296. WB Coon shoe (J. Champney), 7/22/44.
- 297. 392X shoe (J. Champney), 7/22/44.
- 298. 392X (sample) shoe (J. Champney), 6/22/44.
- 299. WB Coon shoe (J. Champney), 6/22/44.
- 300. M. Le Roc, barefoot (6/29/44).
- 301. Janet Champney barefoot, 6/24/44.
- 302. 4962 shoe (J. Champney), 6/29/44.
- 303. WAC oxford (J. Champney), 6/29/44.
- 304. 4962 oxford (M. Le Roc), 6/29/44.
- 305. WAC oxford (M. Le Roc), 6/29/44.
- 306. Mirrorscope - 5039-1 shoe before wearing, 11/24/44.
- 308. Mirrorscope - R.A. Heath barefoot, 11/24/44.
- 313. Mirrorscope - A.W. Snoke barefoot, 12/28/44.
- 314. Mirrorscope - A.W. Snoke, conv. shoes, 12/27/44.
- 315. Mirrorscope - A.W. Snoke, S68(2) before wearing, 12/27/44.
- 316. 5039(1) left shoe & 5039(2) left, 11/24/44.
- 317. 5039(1) left shoe & 5039(2), lateral, 11/24/44.
- 318. 5039(1) left shoe & 5039(2), plantar, 11/24/44.
- 319. 5039(1) left shoe & 5039(2), lateral, 11/24/44.
- 321. 592X last, medial a.p., Jun 1944.
- 323. Mirrorscope - N.W.X., 5/15/46.
- 339. Mirrorscope, Ann Acturo, barefoot & with shoes, 4/17/46.
- 347. Mirrorscope, Arthur Heath barefoot, 6/17/63.
- 348. Mirrorscope, Richard Towns, 6/14/63.
- 349. Mirrorscope, Dave Morgan, 6/14/63.
- 351. Oscillographic record, barefoot normal male (A. Heath, record no. 139 H20-1), 12/20/63.
- 353. Mirrorscopes, Morgan, Heath & Towns barefoot, 7/31/63.
- 354. Oscillographic record, A. Heath barefoot, 8/5/63.

## Box Nineteen

### NEGATIVE #

355. Oscillographic records, Richard Towns barefoot (record no. 111-H20-1, 114-H20-1, 116-H20-1), 7/24/63.
356. Oscillographic record, David Morgan barefoot (record no. 121-H20-1), 7/24/63.
357. Graph - summation of maximum force (3 gradns.), Heath, Morgan & Towns, 7/31/63.
358. Oscillographic record, A. Heath barefoot (record no. 107-H20-1, 110-H20-1, 122-H20-1), 7/24/63.
360. Mirrorscope, plantar views revealing increased medial concentration of force with increased heel height, 12/27/63.
361. Time-force values, average & maximum (Morgan, Heath, Towns), 7/28/63.
362. Oscillograph records showing typical differences in individual step patterns of 3 subjects (records no. 134-H20-1, 136-H20-1, 107-H20-1), 12/26/63.
363. Hartwell Clinic, front door, 11/19/47.
367. Endicott Johnson model display for 1964-65 World's Fair (with A. Heath & D. McBride), 1/2/64.
383. Portraits of A. Heath by Towns, Jan 1964.
384. Hartwell Clinic, utility board.
398. Pathology museum, Miss Farrnan and Miss Feary, Mar 1950.
402. Pronation: correction shoe (Susan Treadwell), 2/1/46.
447. Last point location, May 1955.
449. Strong Memorial Hospital, operating room, fracture table.
462. Chart showing comparative fit of E.J. S583, S344, S605, V4103 at contours 4 & 7 over barefoot plantar view of foot.
478. Bottom view of foot skeleton, 6/1/48.
507. Sci Res shoes in Endicott Johnson store in Rochester display.
513. East Ave. Clinic, equipment, 9/2/49.
514. East Ave. Clinic, equipment, 9/23/49.
515. Hartwell Clinic, Hartwell curtain, 6/8/49.
516. Hartwell Clinic, group picture.
520. Hartwell clinic, dining room & curtain, Jun 1949.
522. Hartwell Clinic, equipment, 6/21/49.
523. Hartwell Clinic, equipment, 7/19/49.
525. Hartwell Clinic, equipment, May 1949.
527. Hartwell Clinic, annual clam bake, 1949.
528. Hartwell Clinic, triangle conveyor, 11/7/49.
529. Hartwell Clinic, pre-Thanksgiving party, 11/23/49.
534. Portrait of Dr. Johnson, 11/28/49.
540. Portrait of Dr. Baker, 12/13/49.
545. Mirrorscope, Sally Martin, 5/11/49.
557. Fl. 1590A func. shoe & Fl. 333 conv., 5/26/49.
558. High-speed stills of human foot in action, 11/1/49.

- 559. Thomas elevation modified, 9/30/49.
- 562. Func. vs. conv. cutaway shoes (A. Heath), 4/15/49.
- 563. Pronation comparison, func. vs. conv. (A. Heath), 7/20/49.
- 564. Pronation in standard Ked & standard Ked insert, 2/10/49.
- 570. Clabiration of strain gauge pressure contact, 2/22/49.
- 575. Strain gauge contact test pressure points, 3/26/49.
- 578. Dan Leary making light patterns with pen light.
- 594. Bilateral hallux valgus & splay feet, 3/22/50.
- 596. Chart - last sizing, Mar 1965.
- 606. Dorsal & lateral silhouettes with contourgram & measurements, 4/14/65.
- 608. Slitograph technique in relation to body position, 4/12/65.
- 612. Slitograph "breadboard" (circumferential measurement device), 6/3/65.
- 613. Slitograph, x-ray, dorsal view of both feet, 6/7/65. 614. Standard x-ray, dorsal view of both feet, 6/7/65.
- 615. X-rays, comparison between standard & slitograph with heel position bar, 6/10/65.
- 616. Slitograph exposure sequence showing kilovolts at 100 MA - 2 sec compared with foot thickness in inches, 6/10/65.
- 628. Alexander St. Rehabilitation Center, 4/5/50.
- 629. East Ave. Clinic, 2 views, 4/5/50.
- 630. John Williams School No. 5, 2 views, 4/5/50.
- 636.p Hartwell Clinic, triangle carrier & attachments, 2/17/50.
- 637. Mirrorscope - severe pronation uncorrected barefoot and corrected with shoes (Kenny Krater), 5/5/50.
- 638. Mirrorscope - Pronation corrected with inserts, 6/5/50.
- 640. Portrait of Dr. Slater, 3/3/50.
- 644. Portrait of A.L. Heath, 8/10/65.
- 646. Floorplan for proposed foot & footwear research institute, orthopedics bldg., 9/21/65.
- 649. Illustrations of shoe manufacturing from B. Butterworth's The Growth of Industrial Art, Washington, D.C., 1892.
- 651. Last measurement, stick & tape method, Jun 1961.
- 652. Last bottom patterns showing contrast in lengths of forefoot and ball girths, Jan 1966.
- 653. Last bottom patterns - 13C - with contourgraphic section showing variation.
- 654. Last profile variations - 13C, Jan 1966.
- 655. Last bottom extensions, 13C, Jan 1966.
- 657. Profile of foot showing body weight distribution, Feb 1966.
- 660. Last bottom patterns with barefoot x-ray overlay, Jan 1966.
- 664. Drawings of metatarsal arch area of skeletal foot, Jan 1966.
- 673. Camera specifications - Nikkor - USDA, Jun 1966.
- 674. Schematic, optical cir. mea. syst., Jun 1966.
- 675. Plotout for optical cir. mea. of successive tan., Jun 1966.
- 676. Skeletal drawing of walking, Jun 1966.
- 679. Comparison of slitograph & regular bone x-rays, Jul 1966.

- 681. Dorsal forefoot x-rays & measurements, barefoot vs. shoes (Dupont proj. no. 1), Sep 1966.
- 703. Slitograph - x-ray, dorsal barefoot, with metric scale, Sep 1966.
- 713. Pronation, with & without inserts (B. Harmon), 4/21/50.

**Box Twenty**

NEGATIVE #

- 714. Hartwell Clinic, reading school.
- 715. Hartwell Clinic, rythm band.
- 716. Hartwell Clinic, J. Frederico riding tricycle, 4/19/50.
- 717. Hartwell Clinic, arts & crafts bazaar, 4/19/50.
- 718. Hartwell Clinic, R. Sehm on standing board, 4/19/50.
- 719. Hartwell Clinic, o.t. room.
- 720. Hartwell Clinic, Dan O'Leary descending stairs with therapist.
- 721. Hartwell Clinic, bathroom scene, brushing teeth (Frank Oaks, Bobby Davis with attendant), 4/4/50.
- 722. Hartwell Clinic, utility board in use, 4/4/50.
- 723. View of Gait Laboratory, 2/2/50.
- 724. Stimulator, constant current, 1/18/50.
- 725. Parkinson tremor recorder, 1/24/50.
- 733. Hartwell Clinic, exterior of bldg., 4/4/50.
- 734. Hartwell Clinic, dining room, 4/4/50.
- 735. Hartwell Clinic, Lenny Huff at equipment, 5/26/49.
- 740. Hartwell Clinic, spasm limit recorder, 9/26/50.
- 741. Hartwell Clinic, spasm limit recorder, 8/29/50.
- 742. Hartwell Clinic, James Buckley & supinator, 3/21/50.
- 743. Hartwell Clinic, Haskell Saltoon & tricycle, 3/21/50.
- 744. Hartwell Clinic, Richard Roy with position puppets, 9/12/50.
- 745. Hartwell Clinic, p.t. extension with children, 3/21/50.
- 746. Hartwell Clinic, o.t. room with children, 3/21/50.
- 748. Bill's lunch room, Mar 1950.
- 749. K213, amphitheatre, Mar 1950.
- 750. Staff house lounge, Mar 1950.
- 751. George Hoyt Whipple, Mar 1950.
- 752. Dr. William Hawkins, lab group, Mar 1950.
- 753. Natt C. Jacobs, drawing class, Mar 1950.
- 754. SMH dining room, Mar 1950.
- 755. Dr. Basil McClean with admin. group, Mar 1950.
- 756. Dr. Charles Tobin, anatomy group, Mar 1950.
- 757. Library committee, 3/15/50.
- 758. Dr. Samuel Clausen, rounds, Mar 1950.
- 759. Carl Mason, histology labatory, Mar 1950.
- 760. Dr. William McCann, rounds, Mar 1950.
- 761. Dr. John Morton & associates, Jun 1950.
- 762. Dean Whipple & daughter, Mar 1950.

- 763. Coffee shop, Mar 1950.
- 764. Dietary, food chopper, 3/23/50.
- 765. Lewis Platt Ross plaque.
- 766. Medical library, Mar 1950.
- 767. Pool room, Mar 1950.
- 801. Hartwell Clinic, Hartwell carrier, 9/19/50.
- 806. Interurban Orthopaedic Club, Leroy, N.Y., Oct 1950.
- 810. Hartwell Clinic, Dr. Johnson's motor testing equipment, Oct 1950.
- 816. Hartwell Clinic, annual birthday party, Oct 1950.
- 820. Hartwell Clinic, Christmas card, 12/19/50.
- 829. Hartwell Clinic, garage & potting shed, 2/7/51.
- 833. Steven Smith, contractions for knee flexion contracture, 2/12/51.
- 869. Portrait of R.P. Schwartz, Jul 1951.
- 961. SMH - distribution of orthopedic facilities, 2/1/52.
- 962. Last contourgraph, Feb 1952.
- 963. Conv. vs. func. last - medial view, Feb 1952.
- 967. Conv. vs. func. Guide-Step shoe, Feb 1952.
- 1003. East Ave. Clinic, check presentation, May 1952.
- 1005. Orthopedics building from architect's drawing, May 1952.
- 1013. R. Plato Schwartz's 25th anniversary, 4/19/52.
- 1041. Hartwell Clinic, Halloween party, 10/31/52.
- 1042. Hartwell Clinic, front of building.
- 1043. Hartwell Clinic, bubble blowing machine, Oct 1952.
- 1048. Testing sneaker, 4/24/47.
- 1052. Hartwell Clinic, ball selector.
- 1053. Hartwell Clinic, triangle conveyor & cart attachment.
- 1054. Hartwell Clinic, supinator #2 (pin ball), Nov 1952.
- 1057. Hartwell Clinic, W. Fletcher, portrait, 12/10/52.
- 1065. Hartwell Clinic, triangle conveyor, Nov 1952.
- 1067. Hartwell Clinic, Christmas card 1952.
- 1071. East Ave. Clinic, chairs & tables, Dec 1952.
- 1072. Gait Laboratory, 1953?
- 1097. Hartwell Clinic, blueprints, special supinator sent to Denmark.
- 1098. Hartwell Clinic, bubble blower, Denmark.
- 1101. Hartwell Clinic, Ektachrome negatives, 4/7/53.
- 1114. Gait Lab. directional sign, May 1953.
- 1116. Drawing of floor receptal for force plate, May 1953.
- 1121. E.J. func. workshoe, last S-251, Jun 1953.
- 1122. A.L. Heath, portrait, May 1953.

### **Box Twenty-One**

#### NEGATIVE #

- 1129. Hartwell Clinic, tricycle with boat, Jun 1953.
- 1130. Hartwell Clinic, typewriter, Jun 1953.
- 1131. Hartwell Clinic, p.t. extension, Jun 1953.

- 1132. Hartwell Clinic, o.t. room, Jun 1953.
- 1133. Hartwell Clinic, water play, inside, Jun 1953.
- 1134. Hartwell Clinic, water play, outside, Jun 1953.
- 1135. Hartwell Clinic, outside circle walker, Jun 1953.
- 1136. Hartwell Clinic, school game, Jun 1953.
- 1137. Hartwell Clinic, dressing dolls, Jun 1953.
- 1140. Hartwell Clinic, 5th anniversary, 9/27/52.
- 1160. Denmark trip, newspaper clippings, 1953.
- 1161. Hartwell Clinic, sewage disposal system, Jun 1953.
- 1173. Hartwell Clinic, portrait of Miss Field, 1953.
- 1174. Hartwell Clinic, spuinator, Denmark model.
- 1175. Hartwell Clinic, o.t. room, Sep 1953.
- 1177. Hartwell Clinic, speech room with audio tester.
- 1179. Hartwell Clinic, "Motor Age Testing", 4,3 button board.
- 1180. Hartwell Clinic, outdoor water play pools, Sep 1953.
- 1181. Hartwell Clinic, school, Sep 1953.
- 1184. Hartwell Clinic, motor testing devices, Denmark.
- 1185. Hartwell Clinic, motor testing equipment (screw & peg board).
- 1186. Contourgram sectional scale model.
- 1203. Noned seal of approval.
- 1209. Hartwell Clinic, pens for tracing boards.
- 1210. Hartwell Clinic, Christmas card, 1953.
- 1211. Noned seal of approval on last, 1953.
- 1216. Hartwell Clinic, suspension creeper.
- 1226. East Ave. Clinic, social group, Feb 1954.
- 1236. Hartwell Clinic, Hartwell carrier, Feb 1954.
- 1237. Hartwell Clinic, farewell party for Dr. McClean, Mar 1954.
- 1239. X-rays, conv. & func. shoe comparison with pronation measurement, 4/8/54.
- 1265. Hartwell Clinic, Christmas card, 1954.
- 1273. Hartwell Clinic, staff house interior & exterior.
- 1274. Hartwell Clinic, Hartwell buildings, outside.
- 1275. Genesco meeting at UR, 8/8/60.
- 1278. Proposed Gait Lab. floor plan, 8/3/54.
- 1299. Hartwell Clinic, children with tiger, Aug 1954.
- 1301. East Ave. Clinic, swimming party at Craig Smith's, 1-2 Sep 1954.
- 1314. Stills from "The Last Story," oscillograph, contourgraph, application of contacts.
- 1323. Trappist monks in Kentucky making shoes.
- 1325. Jack Bucher & H.T. Wood at contourgraph, 11/23/54.
- 1327. Hartwell Clinic, Christmas card, 1955.
- 1329. Janet Champney's 20th anniversary party, 12/3/54.
- 1330. Scale drawings of last contourgraph, 12/29/54.
- 1332. Exterior of Hugh Owen Thomas's surgery.
- 1335. SMH - main entrance R-Wing - main entrance, Dec 1953.
- 1346. Functional insert schematics, 1955-56.

- 1364. Orthopedic measurement unit group photo: R.P. Schwartz, A. Heath, Jack Bucher, Osmond.
- 1365. Hartwell Clinic, the Frejka splint, Oct 1954.
- 1369. East Ave. Clinic, check presentation, 4/27/55.
- 1370. Hartwell Clinic, cabin, Hartwell buildings, Apr 1955.
- 1378. Hartwell Clinic, children sleeping, 5/13/55.
- 1379. Hartwell Clinic, Hartwell activities, 6/2/55.
- 1380. Hartwell Clinic, open house for parents, 5/27/55.
- 1403. Contourgraph, Mar 1965.
- 1409. Hartwell Clinic, cabin fire, Aug 1955.
- 1411. East Ave. Clinic, youth group & recreation bldg., Aug 1955.
- 1413. Functional inserts.
- 1415. East Ave. Clinic, publicity, Sep 1955.

## **Box Twenty-Two**

### NEGATIVE #

- 1418. Hartwell Clinic, staircase with Miss Field, Oct 1955.
- 1419. East Ave. Clinic, door to door fund raising drive, Oct 1955.
- 1421. Hartwell Clinic, chromovox, 1955.
- 1429. Mary Clancy's farewell party, Oct 1955.
- 1432. Oscillograph with A.L. Heath.
- 1433. East Ave. Clinic, Halloween Party, 1955.
- 1437. R.P. Schwartz & Dr. Thomasen visiting Gait Lab., Nov 1955.
- 1438. East Ave. Clinic, pool filling, Nov 1955.
- 1442. Gait Lab. remodelling (plan), Jan 1956.
- 1444. X-rays - heel height comparisons, 2/8/56.
- 1446. X-ray heel-height tracings, 2/8/56.
- 1448. R.P. Schwartz, cartoon drawing.
- 1450. Hartwell Clinic, Christmas card, 1956.
- 1453. A.L. Heath's 25th anniversary party, 2/22/56.
- 1476. Hartwell Clinic, relaxation chair, May 1956.
- 1499. Hartwell Clinic, port. of Miss Cook, physical therapist, Aug 1956.
- 1516. Hartwell Clinic, Christmas card, 1957.
- 1534. Orthopedic measurement unit, Feb 1957.
- 1538. Contourgraph - Swedish model, Apr 1957.
- 1563. East Ave. Clinic, graduation, Sep 1957.
- 1564. Detail & assembly drawing of pressure sensing unit SGX5, 1957.
- 1565. Hartwell Clinic, 10th anniversary, 1957.
- 1578. Heel-height analysis tracings.
- 1581. Pronation, barefoot; func. vs. conv. shoes, 3/17/59.
- 1584. Pronation measurement, double scale recorder, Jul 1959.
- 1589. Last - illustration of cone position, 1959.
- 1591. A.L. Heath, passport photo, 1959.
- 1594. Location of cone on foot (Molly Heath), May 1959.
- 1596. Location of cone on articulated foot, May 1959.

- 1606. Hartwell Clinic, the creeper, 1959.
- 1615. Orthopedics staff, 1954. 1616. Lucite model last, 3/31/60.
- 1618. Func. inserts - drawings of incorporation into footwear, Jun 1960.
- 1622. Transducer - filpip, spec. & drawings, 1960.
- 1625. Hartwell Clinic, p.t. equipment.
- 1634. Lasts - Myodynamics Laboratory collection, 10/25/60.
- 1636. Visicorder model 1108, 3/21/61.
- 1637. Gait recorder, o.m.u. & visicorder (with Dave Morgan), 10/25/60.
- 1638. Gait Lab., gait recording procedure, 3/21/61.
- 1639. Dynamic calibrator (with Dave Morgan), 10/25/60.
- 1642. Orthopedic measuring unit, balancing procedure, 10/25/60.
- 1643. Plantar drawing of foot with disc locations, 9/20/61.
- 1644. Foot x-ray with discs attached, 9/22/61.
- 1645. 65 disc location (numbered), on x-ray foot, 12/26/61.
- 1646. Visicorder calibration - force in pounds, 12/28/61.
- 1647. Dynamic tester - line drawing, 1/1/62.
- 1648. X-ray heel-height comparisons in shoes, Jul 1961.
- 1649. Pressure sensing transducer, 1/30/62.
- 1650. A.L. Heath & D. Morgan demonstrating use of oscillograph & visicorder, 2/8/62.
- 1652. Mirrorscope - 65 disc attachment, Sep 1961.
- 1654. Graph of avg. heel to forefoot ratio in conv. & func. shoes, Sep 1961.
- 1655. Contourgrams - func. vs. conv. heel comparisons, Aug 1962.
- 1657. Contourgrams - heel, midfoot & forefoot profiles of 3 mens' lasts of same size & width, Aug 1962.
- 1660. Plantar drawing, 65 discs - force path with different shoes, Jul 1962.
- 1661. Plantar drawing - 65 disc - forces recorded in barefoot gait, Jul 1962.
- 1662. Calibration curve showing forces exerted upon calibration bar & pressure sensing disc, Sep 1962.
- 1671. Force gauges, static measurement, Emil Burger (jan 1952), Jan 1967.
- 1673. X-ray shoe fitting device in use at Parmelee's shoe store, Rochester, N.Y.

### **Box Twenty-Three**

- Electrobasograms - Feb-Jun 1935.
- Electrobasograms - Jul-Dec 1935.
- Electrobasograms - Jan-Jun 1936.
- Electrobasograms - Jul-Dec 1936.

### **Box Twenty-Four**

- Folder 1. Shoes - Technical reports Leather impregnated with resin, 1943.
- Folder 2. Shoes - Technical reports Lasts - functional vs. conventional, 1938.
- Folder 3. Shoes - Technical reports Lasts - contourgram rectangular coordinates, 1938.
- Folder 4. Shoes - Technical reports Lasts - reports, comparisons, 1942-53.

- Folder 5. Shoes - Technical reports Lasts - reports, comparisons, 1954.
- Folder 6. Shoes - Technical reports Lasts - reports, comparisons, 1955-63.
- Folder 7. Shoes - Technical reports Lasts - A graphic analysis of lasts, 1945.
- Folder 8. Shoes - Technical reports Lasts - data for adaption of the manufacture of functional lasts and shoes to Swedish specifications, 1953.
- Folder 9. Shoes - Technical reports Lasts - Procedure of making a contourgraphic analysis of shoe lasts: report sent to Malmo in October 1955.
- Folder 10. Shoes - Technical reports Inserts - reports, 1947-62.
- Folder 11. Shoes - Technical reports Inserts - schematic drawings.
- Folder 12. Shoes - Technical reports Miscellaneous.

### **Box Twenty-Five**

Last contourgraphs 1943-1946  
Lasts 5002-5063X.

### **Box Twenty-Six**

Last contourgraphs 1943-1946  
Lasts 5065-5101.

### **Box Twenty-Seven**

Last contourgraphs, Jones & Vining, 1950-1965.  
Last contourgraphs, Stewart & Porter, 1952-1959.

### **Box Twenty-Eight**

- Folder 1. Gait records Records taken 1932-1939.
- Folder 2. Gait records Records taken 1940-42, 1946-47.
- Folder 3. Gait Records Correlation of measurements of gait records by linear method with known differences in foot function, 3/27/43.
- Folder 4. Gait Records - Electromyograms Muscle action records, 1941-45.
- Folder 5. Gait Records - Electromyograms Copies of clinical reports, 1947.
- Folder 6. Gait Records - Oscillograph Schwartz, R.P., MP001, 11/13/39-2/26/40.
- Folder 7. Gait Records - Oscillograph Schwartz, R.P., MP001, 4/16/40.
- Folder 8. Gait Records - Oscillograph Schwartz, R.P., MP001, 4/22/40-5/1/40.
- Folder 9. Gait Records - Oscillograph Heath, A.L., MP002, 12/14/39-8/30/40.
- Folder 10. Gait Records - Oscillograph Heath, A.L., MP002, 10/1/40-10/15/40.
- Folder 11. Gait Records - Oscillograph Heath, A.L., MP002, 10/9/41-10/21/41.
- Folder 12. Gait Records - Oscillograph Heath, A.L., MP002, 7/16/42-11/19/42.
- Folder 13. Gait Records - Oscillograph Heath, A.L., MP002, 3/27/44.
- Folder 14. Gait Records - Oscillograph Heath, A.L., MP002, 1/7/46-8/3/46.
- Folder 15. Gait Records - Oscillograph Heath, A.L., MP002, 6/11/49.
- Folder 16. Gait Records - Oscillograph Contact placement data, 16-17 Jan 1946.

- Folder 17. Gait Records - Oscillograph Oscillographic gait records, male, notebook II, 7/2/42-5/27/49, MP101-244.
  - Folder 18. Gait Records - Oscillograph Barefoot, normal males, Jan-Mar 1946.
  - Folder 19. Gait Records - Oscillograph Nurses' series, group I.
  - Folder 20. Gait Records - Oscillograph Nurses' series, group II. Comparisons of rate of walking barefoot; pronators vs. non-pronators.
  - Folder 21. Gait Records - Oscillograph Nurses' series, group II. Comparisons of pronators vs. non-pronators; barefoot vs. heel- heights; functional vs. conventional.
  - Folder 22. Gait Records - Oscillograph Nurses' series, group III. Stance phase barefoot; rate of walking, barefoot and in shoes.
  - Folder 24. Gait Records - Oscillograph Nurses' series, groups II & III, comparison of IMP work done values.
  - Folder 25. Gait Records - Oscillograph Nurses' series, groups II & III, summation of instantaneous pressures.
  - Folder 26. Gait Records - Oscillograph Nurses' series, groups II & III, maximum pressure/instantaneous values (calculation of body weight).
  - Folder 27. Gait Records - Oscillograph Nurses' series, groups II & III, IMP median values: comparisons of pronators vs. non- pronators; barefoot vs. heel-heights; func. vs. conv.
  - Folder 28. Gait Records - Oscillograph Nurses' series, groups II & III, IMP avg. values: barefoot, right & left; pronators vs. non-pronators.
  - Folder 29. Gait Records - Oscillograph Nurses' series, groups II, III & IV, IMP median values.
  - Folder 30. Gait Records - Oscillograph Nurses' series, group V, WAC comparisons.
  - Folder 31. Gait Records - Oscillograph Nurses' series, group VI, WAC comparisons.
  - Folder 32. Gait Records - Oscillograph Nurses' series, group VII, WAC comparisons.
  - Folder 33. Gait Records - Oscillograph Nurses' series, women-subtraction curve.
  - Folder 34. Gait Records - Oscillograph Nurses' series, groups II & III, pronators vs. non-pronators (heel height comparisons).
  - Folder 35. Gait Records - Oscillograph Nurses' series, groups II & III, women - work done values.
- Nurses' Series Oscillograph Records WP 009-WP 087, 1940.

### **Box Twenty-Nine**

Nurses' Series Oscillograph Records WP 088-WP 280, 1940-46.

### **Box Thirty**

Nurses' Series Oscillograph Records WP 281-WP 308, 1946.

### **Box Thirty-One**

Nurses' Series Oscillograph Records WP 309-WP 349, 1946-48.  
65-Point Disc Placement Study (Folders 1-36), 1961.

M-10 Gait Recording Series (15 of 41 Folders), 1961-62 (cont'd box 32)

### **Box Thirty-Two**

M-10 Gait Recording Series (26 of 41 Folders), 1962-63 (cont'd from box thirty-one).  
H-Type Gait Records (40 folders), 1963.

### **Box Thirty-Three**

Assorted Lasts.

### **Box Thirty-Four**

Assorted Shoes & Inserts.

### **Box Thirty-Five**

#### Motion Pictures

- 34. Dr. Schwartz and calves, May 1931 (100 ft.).
- 39. Dr. & Mrs. Schwartz, Canandaigua Lake, Sep 1931. (100 ft.)
- 200. Foot function as related to shoe and last design, cuttings (200 ft.)
- 275. R.P. Schwartz, simultaneous imitated limps and gait record (200 ft.)
- 626. Party for Dr. Schwartz, 1947 (200 ft.).
- 1025. Physio-therapy tables in use (Hartwell) (100 ft.).
- 1026. Motor age testing - star, supinator, bell tricycle (Hartwell) (100 ft.)
- 1027. Brace and maintenance shop (Hartwell) (100 ft.).
- 1028. Chromovox (Hartwell) (100 ft.)
- 1029. Brace shop & laundry (Hartwell) (100 ft.)
- 1031. Punch & Judy show (Hartwell) (100 ft.).
- 1033. Physical therapy room, old method (Hartwell) (100 ft.)
- 1034. Outdoor play (Hartwell) (100 ft.).
- 1035. Climbing bars (Hartwell) (100 ft.)
- 1036. Bazaar (Hartwell) (100 ft.).
- 1038. School (Hartwell) (100 ft.)
- 1039. Interior views (Hartwell) (100 ft.)
- 1040. SMH - front entrance (100 ft.)
- 1042. Motivation room (Hartwell) (100 ft.)
- 1067. Pinball machine (Hartwell) (100 ft.)
- 1068. Dressing life size dolls (Hartwell) (100 ft.)
- 1069. P.T. room, parallel bars (Hartwell) (100 ft.).
- 1070. Store (Hartwell) (100 ft.).
- 1071. Hartwell carrier (Hartwell) (100 ft.).
- 1078. Hartwell carrier (Hartwell) (100 ft.).
- 1121. C.P. center, exterior view, 1952. (100 ft.)

- 1122. Hartwell entrance and sign (Hartwell) (100 ft.).
- 1125. Dining room (Hartwell) (100 ft.).
- 1127. Typewriter and finger painting (Hartwell) (100 ft.)
- 1150. O.T. (East Ave. Clinic) (100 ft.).
- 1151. Bubble blower, Denmark model (Hartwell) (100 ft.).
- 1193. X-rays showing locating of 65-point pressure discs, 1962 (50 ft.)
- 1195. Last contourgrams, func. vs. conv., 1962 (100 ft.)
- 1197. Force pattern through foot, 1962 (100 ft.)
- 1201. Oscillo I records of pronator vs. non-pronator barefoot, 1962 (100 ft.)
- 1205. Functional vs. conventional shoes, A. Heath, 1962 (100 ft.)
- 1217. Oscillo I record of func. vs. conv. shoes, 1962 (100 ft.)
- 1219. "The Last Story," (1) Lohmeier, (2) library, (3) street scenes (100 ft.).
- 1220. Func. vs. conv. shoes, front view (100 ft.).
- 1224. Oscillo I gait record colored, 1962 (100 ft.).
- 1234. Hartwell conveyor (Hartwell), bw negative (100 ft.).
- 1246. Pronation, skeletal structure, animation, optical negative, 1962 (100 ft.).
- 2-13. Trip to A.M.A. convention at Cleveland, Jun 1934 (200 ft.).
- 2-15. Balanced last mechanism, 1st working model, 1/10/35 (200 ft.).
- 2-17. Last balograph, original machine.
- 2-28. R.P. Schwartz, tennis shoes on Armstrong platform 11/1/37 (200 ft.).
- 2-29. Margaret Smith, platform cuttings, 1937? (200 ft.)
- 2-30. Pronation, street scenes, 10/13/37 & 12/3/37 (200 ft.).
- 2-32. Electrobasograph, 12/12/38 (200 ft.).
- 2-55. Shellac method of putting on contacts (200 ft.).
- 2-58. Comparison of last contours in colored lucite, 6/28/38 (200 ft.).
- 2-100. Parkinson tremor recorder equipment, 1/24/50 (200 ft.)
- 2-110. Gait recordings, 1931-34 (200 ft.).
- 2-163. East Ave. Clinic picnic, with magician, 1953 (200 ft.)
- 2-164. Effect of heel-height on foot function.
- 2-165. Nursery & school (East Ave. Clinic), 1954 (200 ft.)
- 2-166. Cuttings from East Ave. with magnetic sound track (200 ft.).
- 2-167. Last contours with lucite model.

## **Box Thirty-Six**

### Motion Pictures

- 4-06. Summary pneumographic & electrobasographic methods (400 ft.).
- 4-09. Treadmill, 1st pneumographic methods, cuttings, 2/11/32 (400 ft.).
- 4-12. Margaret Smith, Antioch vs. Balance in Motion shoes, 5/2/30 (400 ft.).
- 4-32. Treadmill and pneumographic recorder, 1932 (400 ft.)
- 4-61. The electrobasographic method of gait recording.
- 4-62. The lectrobasographic method of recording gait with original recorder, shown at Milwaukee in 1933 (400 ft.).
- 4-75. The foot, the last, the shoe (400 ft.).
- 4-77. Pre & post-op. shortened tendo achilles (Jean Fleming) (400 ft.).

- 4-78. Post-polio, left (Avrom Shulman) (400 ft.).
- 4-83. Removal of left breast of Mrs. Rose Meyers by Dr. Morton, 9/12/33 (400 ft.).
- 4-85. Gait studies of Elsie Carey taken at Armstrong Shoe Co., 1/16/34 (400 ft.).
- 4-86. Elise Carey, Armstrong platform, 1/16/34 (400 ft.).
- 4-87. Elsie Carey, Armstrong platform, 1/16 & 1/25/34 (400 ft.).
- 4-88. Gait studies of Margaret Smith taken at Armstrong Shoe Co., 1/15/34 (400 ft.).
- 4-89. Margaret Smith, Armstrong platform, 1/15/34 (400 ft.).
- 4-90. Margaret Smith, Armstrong platform, 1/15/34 (400 ft.).
- 4-91. Margaret Smith, Armstrong platform, 11/29/33, taken with H.B. Tuttle's Cine Special (400 ft.).
- 4-92. Margaret Smith with wires, Armstrong platform, 1934 (400 ft.).
- 4-93. Margaret Smith with wires, Armstrong platform, 1/5/34 (400 ft.).
- 4-94. Elsie Carey with wires, Armstrong platform,
- 4-95. Elsie Carey with wires, Armstrong platform, 1/5/34 (400 ft.)
- 4-98. East Ave. Clinic, equipment (400 ft.).
- 4-99. Equino valgus pre- & post-op. (H. Rothstein), 6/27/33 & 1/19/34 (400 ft.).
- 4-100. Leprosy, Henry Panay, 1/16/34 (400 ft.).
- 4-103. Elsie Carey in shoes with 3/8" cork elevation, Armstrong platform, 1934? (400 ft.).
- 4-118. Anne Morrissey, Armstrong platform, shoe alteration reel I (400 ft.).

## **Box Thirty-Seven**

### Motion Pictures

- 4-119. Anne Morrissey, Armstrong platform, shoe alteration reel II (400 ft.).
- 4-125. Hartwell Clinic, exterior & interior (400 ft.).
- 4-132. Dissected foot showing extrinsic muscles.
- 4-133. Gait robot at Armstrong, 1936 (400 ft.).
- 4-134. Mrs. C.L. Allen on Armstrong platform.
- 4-135. Arthur Whitcomb, bilateral pronation, on platform (400 ft.).
- 4-136-138. Hip operation (Kodacolor) (400 ft.).
- 4-140. Foot pressure, when, where, how much (400 ft.).
- 4-141. Cuttings from Foot pressure & effect of heel height (400 ft.).
- 4-142. Removal of pericardium by Dr. Morton (400 ft.)
- 4-145. Richard Goetzman on Armstrong platform, 12/18/37 (400 ft.).
- 4-146. Comparison of nurses' lasts in different sizes and 94x, 1937 (400 ft.).
- 4-152. Cuttings from The Foot, the Last, the Shoe, 1/1/42 (400 ft.).
- 4-153. The foot, the last, the shoe, 1942? (400 ft.).
- 4-154. Muscle function with titles, 12/18/34 (400 ft.).
- 4-155. A report to the people (400 ft.).
- 4-166. Spastic hemiplegia, Mrs. Scheck, 3/26/46 & 1/7/47 (400 ft.).
- 4-183. Electrobasographic recording method (400 ft.).
- 4-197. More miles for your feet.
- 4-198. Foot function in relation to last and shoe design, reel I (400 ft.).
- 4-217. Hartwell motivation film (400 ft.).

## **Box Thirty-Eight**

### Motion Pictures

- 12-02. A new approach to the problem of cerebral palsy (1200 ft.).
- 12-11. Anomalies of the feet, lecture series, pronation (1200 ft.).
- 12-21. Foot function as related to last and shoe design (1200 ft.).
- 12-22. Our feet, their form & function (1200 ft.).

#### Reel I. of cuttings:

- Pronation, four clinical examples, 300'
- Pronation, walking, J. Champney, 100'
- Pronation, unselected street scenes, 20'
- Pronation, skeleton, flat vs. normal, 20'
- Pronation, animated skeleton, orig. & print, 35'
- Pronation, subject on Armstrong platform, 200'
- Oscillograph record, pan shot
- Oscillograph record, color chart
- Oscillograph record, manual measurement, 100'
- Oscillograph record, planimeter measurement, print & orig., 200'
- Oscillograph record, female pronator vs. non-pronator barefoot, 25'
- Oscillograph record, table of standing forces, 10'
- Oscillograph record, school children at recess, 10'
- Shoes, conv. vs. func., 50'
- Shoes, func. shoe display, 100'
- Shoes, patient before & after Guide Steps, 100'

#### Reel II. of cuttings:

- Gait robot, 200'
  - Titles, 100'
  - Application of pressure discs (BC), 50'
  - Mirroroscope, pronator vs. non-pronator (JBC), 25'
  - Muscle function
  - Average pressure graphs, animated, 90'
  - Pronation, animated pressure scale, 100'
  - Countourgrams, gait record, 100'
  - Application for contacts, mirroroscope (JBC), 100'
  - Dynamic calibrator, 70'
  - Electrobasograph contacts (ALH), 50'
  - E.J. lasts, 25'
  - Insoles, typical, 50'
  - Pronation, knees (JBC), 50'
  - Pronation, animated skeleton, 80'
  - Gait recording procedure (Mollie Heath?), 20'
- 1600' MOTION PICTURE REEL 16-05

Hartwell Clinic, opening ceremony & clinical facilities, 1947.  
1600' MOTION PICTURE REEL 16-20  
The Cerebral Palsy Center, East Ave., 1953.

Scrapbook of Newspaper Clippings of Myodynamics Laboratory and Edith Hartwell  
Clinic, 1933-1958